

WHAT IS CLAIMED IS:

1. A power management method for a personal digital assistant which can be connected with an external communication terminal, comprising the steps of:

upon detecting power-on of said external communication terminal, detecting a battery voltage of said personal digital assistant;

comparing said battery voltage with a reference voltage, said reference voltage being slightly higher than an inoperable voltage of said personal digital assistant;

generating a low-voltage alarm message when said battery voltage is lower than said reference voltage; and

supplying electric power to said external communication terminal, if said battery voltage is higher than said reference voltage. .

2. The method as claimed in claim 1, further comprising the steps of:

comparing said battery voltage with an inoperable voltage threshold of said personal digital assistant; and

setting the personal digital assistant to a sleep mode when said battery voltage is lower than said inoperable voltage threshold of said personal digital assistant.

3. The method as claimed in claim 1, further comprising the steps of:

calculating a difference voltage between said battery voltage and a voltage drop according to a power consumption of said external communication terminal;

comparing said difference voltage with an inoperable voltage threshold at which said personal digital assistant cannot operate normally;

repeatedly generating an alarm message informing a user that the battery voltage is insufficient to normally activate said external communication terminal when said difference voltage is lower than said inoperable voltage

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threshold, until said external communication terminal is turned off; and

15 providing electric power to said external communication terminal when said difference voltage is higher than said inoperable voltage threshold.

A. ²The method as claimed in claim ¹3, wherein said alarm message is generated through at least one of a display and a speaker.

5. A power management method for a personal digital assistant which can be connected with an external communication terminal, comprising the steps of:

5 upon detecting power-on of said external communication terminal, detecting a battery voltage of said personal digital assistant;

10 comparing said battery voltage with a reference voltage, said reference voltage being slightly higher than an inoperable voltage of said personal digital assistant;

10 generating a low-voltage alarm message when said battery voltage is lower than said reference voltage; and

15 comparing said battery voltage with an inoperable voltage threshold of said personal digital assistant when said battery voltage is lower than said reference voltage; and

setting the personal digital assistant to a sleep mode when said battery voltage is lower than said inoperable voltage threshold of said personal digital assistant;

20 supplying electric power to said external communication terminal when said battery voltage is higher than said reference voltage.

6. The method as claimed in claim 5, further comprising the steps of:

calculating a difference voltage between said battery voltage and a voltage drop according to a power consumption

5 of said external communication terminal when said battery voltage is higher than said reference voltage;

comparing said difference voltage with said inoperable voltage threshold at which said personal digital assistant cannot operate normally;

10 repeatedly generating an alarm message informing a user that the battery voltage is insufficient to normally activate said external communication terminal when said difference voltage is lower than said inoperable voltage threshold, until said external communication terminal is
15 turned off; and

providing electric power to said external communication terminal when said difference voltage is higher than said inoperable voltage threshold.

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